

FIG. 1

Points of clarification for PCI vendor identification based on CODEC ID:

PCI PnP uses a standard 16 DWORD configuration space.

There is an option 48 DWORD space allocated in memory directly following the 16 DWORD vendor and device ID space.

This 64 DWORD device configuration table is contained in the device controller.

The pointer is a state machine that redirects the BIOS/Operating System PCI device query to the appropriate device/vendor ID table.

The BIOS/OS reads this table as it would any other PCI device. This requires no additional algorithms or changes to the system. It does not require any exotic BIOS snooping routines, unlike other automatic ID schemes.

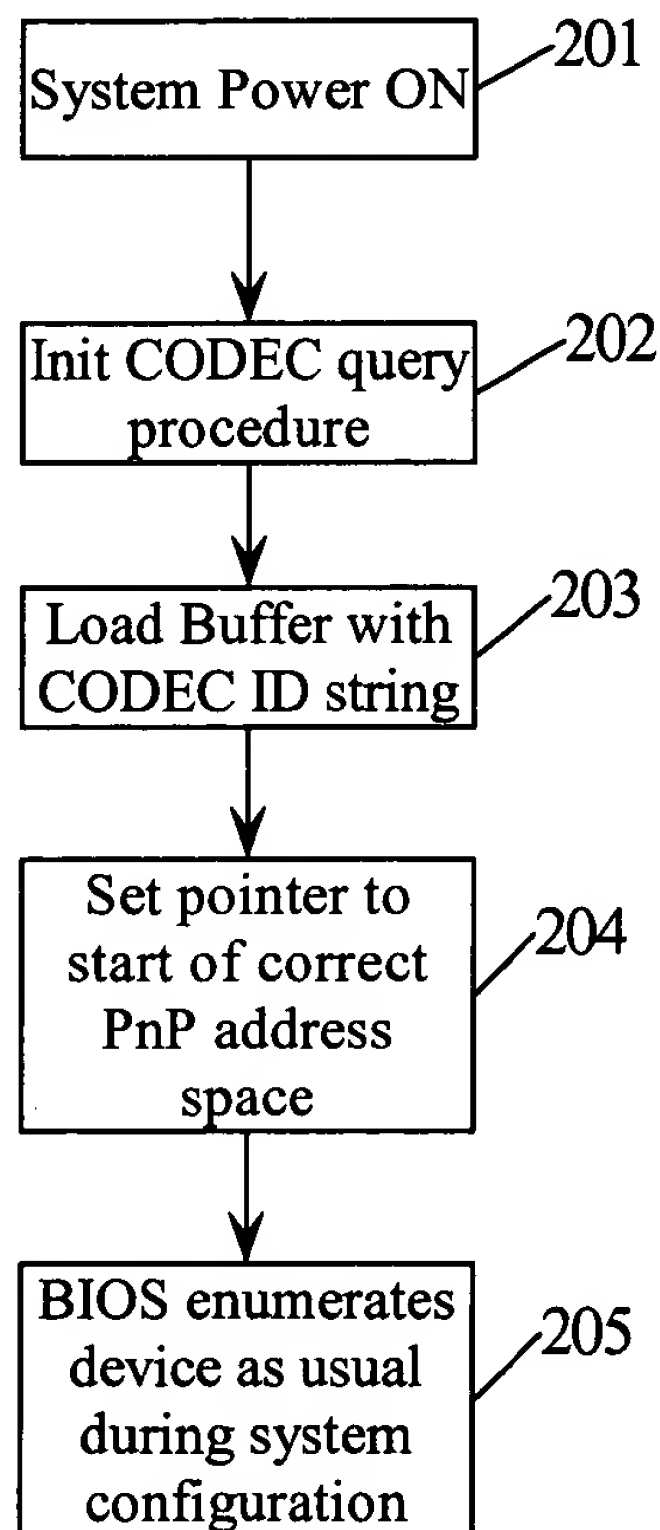


FIG. 2

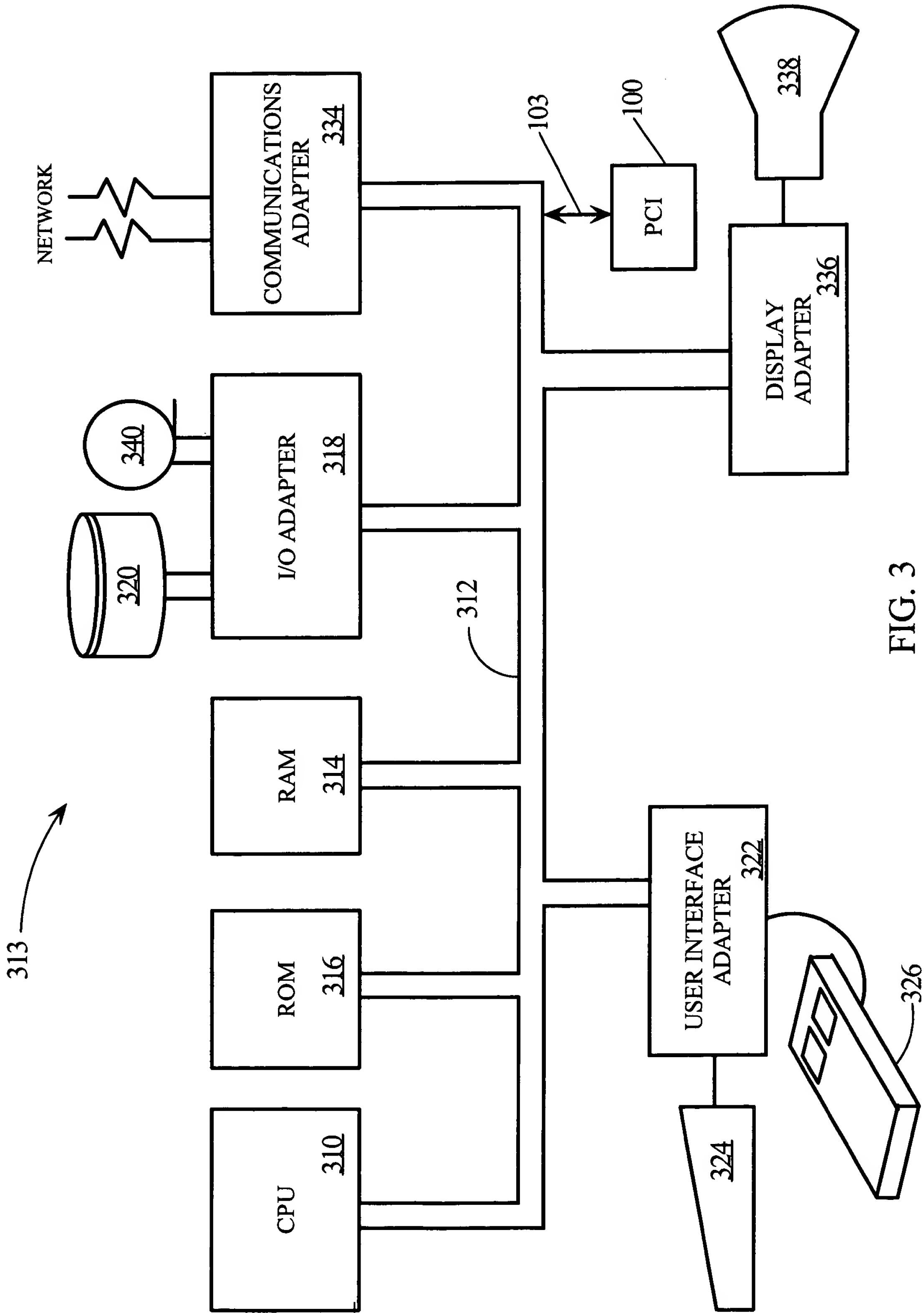


FIG. 3